

Title (en)  
SPINNING NOZZLE AND PROCESS FOR PRODUCING FIBROUS BUNDLE

Title (de)  
SPINNDÜSE UND VERFAHREN ZUR HERSTELLUNG VON FASERBUNDEN

Title (fr)  
BUSE DE FILAGE ET PROCÉDÉ DE FABRICATION D'UNE MASSE FIBREUSE

Publication  
**EP 2963161 A1 20160106 (EN)**

Application  
**EP 14757202 A 20140226**

Priority  
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Abstract (en)  
A spinning nozzle (1) which has a perforated part (2) in which ejection holes (3) have been arranged in a density as high as 600-1,200 holes/mm<sup>2</sup>. This process for producing a fibrous bundle comprises ejecting a spinning dope having a viscosity as measured at 50 °C of 30-200 P from the ejection holes (3) of the spinning nozzle (1) to produce a fibrous bundle. This fibrous bundle has a single-fiber fineness of 0.005-0.01 dtex. By the wet-process direct spinning, a mass of nanofibers which are stably uniform and continuous can be produced at a high efficiency.

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